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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/601,746 06/23/2003		Chang-Hyeon Lee	050324-1322	8986	
24504	7590 09/01/2004		EXAMINER		
•	AYDEN, HORSTEN	CUNNINGHAM, TERRY D			
STE 1750	IA PARKWAY, NW		ART UNIT	PAPER NUMBER	_
	GA 30339-5948		2816		_

DATE MAILED: 09/01/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)						
Office Action Summary			10/601,746	LEE ET AL.					
			Examiner	Art Unit					
			Terry D. Cunningham	2816					
Period fo	The MAILING DATE of this communic or Reply	cation appe	ears on the cover sheet with the c	orrespondence ad	dress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status									
1)⊠	esponsive to communication(s) filed on <u>09 February 2004</u> .								
2a) <u></u> □	This action is FINAL . 2t	o)⊠ This a	action is non-final.						
3)□	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims								
5)□ 6)⊠ 7)□	4) ☐ Claim(s) 1-15 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-15 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.								
	on Papers	ion and/or	election requirement.						
	•	-							
·	The specification is objected to by the The drawing(s) filed on <u>23 <i>June 200</i>3</u>			by the Eveniner					
Ю	Applicant may not request that any object	•	· · · ·	•					
	Replacement drawing sheet(s) including		***	` ,	FR 1.121(d).				
11)	The oath or declaration is objected to	by the Exa	aminer. Note the attached Office	Action or form P	ГО-152.				
Priority u	ınder 35 U.S.C. §§ 119 and 120								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. a) The translation of the foreign language provisional application has been received. 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78. 									
Attachment(s)									
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PT nation Disclosure Statement(s) (PTO-1449) Pa		4) Interview Summary 5) Notice of Informal P 6) Other:						

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12 July 2004 has been entered.

Summary of changes in this action

- I. The amendment overcomes the outstanding indefiniteness. However, the change to claim 5 provides new indefiniteness.
- II. Due to the change in scope of claims 6-7, such are now included in the rejection in view of Park et al.

Claim Rejections - 35 USC § 112

Claim 5 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 5, the recitation of the "second transistor" is confusing with respect to the already recited "second switching transistor". It appears that "second transistor" should be --second sink transistor--.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Park et al. (USPN 5,729,178). Park et al. discloses, in Fig. 8, a circuit comprising: "a pair of differential signal input terminals (V1 and V2)"; "first and second switching transistors (Mc1 and Mc4)"; "third and fourth switching transistors (Mc8 and Mc11)"; "an output stage" having "a first output stage (Mc15 and Mc16)"; "a non-differential output terminal (VCM)"; and "a second output stage (Mc5 and Mc12)", all connected and operating similarly as recited by Applicant.

Examiner has fully considered Applicant's remarks for the above rejection and has not found them to be persuasive. Applicant remarks all deal with the recitation "for use in a phase lock loop". However, this language is clearly seen to be intended use recitation. Since the reference to Park et al. is <u>capable</u> of being used with a "phase lock loop", such meets the claim language.

With respect to claims 6-7, such no longer recite that the "output stages" comprises "a bandgap reference circuit". The claims now only recite the receipt of "a bandgap reference signal", which is clearly intended use recitation. Since V2 is <u>capable</u> of being "a bandgap reference signal", such meets the claim language.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Terry Cunningham whose telephone number is 571-272-1742. The examiner can normally be reached on Monday-Thursday from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy P. Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC August 27, 2004 Terry D. Cunningham
Primary Examiner
Art Unit 2816